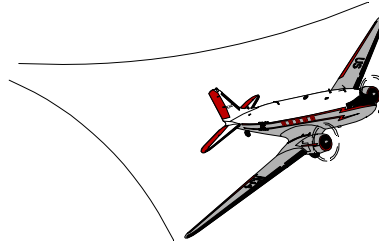


SPECIAL AIRWORTHINESS INFORMATION BULLETIN

REGULATORY SUPPORT DIVISION
P.O. BOX 26460
OKLAHOMA CITY, OKLAHOMA 73125-0460



U.S. Department
of Transportation
**Federal Aviation
Administration**

No. CE-00-32
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We post SAIBs on the internet at <http://av-info.faa.gov>

This is information only. Recommendations for corrective action aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) advises or provides safety information to you, an owner or operator of Teledyne Continental Motors (TCM) models D-2000 and D-3000 series magnetos (formerly Bendix) of the recommendation to replace certain magneto capacitors (P/Ns 10-382807, 10-382681 and 10-382681-1). These magnetos are installed on Textron Lycoming and TCM engines:

Textron Lycoming

O-320	-H1AD, -H2AD, -H2BD, -H3AD, -H3BD
O-360	-A1AD, -A1F6D, -A1G6D, -A1LD, -A3AD, -A4AD, -A5AD, -E1A6D
LO-360	-A1G6D, -E1A6D
TO-360	-A1A6D, -C1A6D, -E1A6D, -F1A6D
LTO-360	-A1AD, -E1A6D
IO-360	-A1B6D, -A1D6D, -A3B6D, -A3D6D, -C1E6D, -J1A6D
TIO-360	-C1A6D
HIO-360	-E1AD, -E1BD, -F1AD
LHIO-360	-F1AD
O-540	-H1A5D, -H1B5D, -H2A5D, -H2B5D, -J1A5D, -J1B5D, -J1C5D, -J1D5D, -J2A5D, -J2B5D, -J2C5D, -J2D5D, -J3A5D, -J3C5D, -L3C5D
IO-540	-C4D5D, -K1A5D, -K1B5D, -K1E5D, -K1F5D, -K1G5D, -K1J5D, -L1A5D, -L1B5D, -M1A5D, -M1B5D, -M2A5D, -T4A5D, -T4B5D, -T4C5D, -U1A5D, -U1B5D, -V4A5D, -W1A5D, -W3A5D
TIO-540	-K1A5D, -S1AD, -AA1AD, -AB1AD, -F2BD, -J2BD, -N2BD, -R2AD, -T2AD, -V2AD
LTIO-540	-K1AD, -F2BD, -J2BD, -N2BD, -R2AD, -V2AD
AEIO-540	-L1B5D
TIGO-541	-G1AD
IO-720	-A1BD, -B1BD, -C1BD, -D1BD, -D1CD

Teledyne Continental Motors

6-285	-A, -B, -BA -C, -CA (Tiara)
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Background

Investigation of reported magneto capacitor problems revealed the potential for incomplete control terminal connections and internal connections to ground in some of the capacitors P/N's listed above. These capacitors were delivered to TCM before December 1999. The problems occurred on units with less than 200 hours time in service (TIS). Units with more than 200 hours TIS are exempt from this recommendation.

TCM Critical Service Bulletin, CSB662A, issued January 24, 2000, provides instructions for the replacement of affected capacitors, revises overhaul replacement requirements for capacitors used in D-2000 and D-3000 series magnetos and emphasizes existing required safety practices (detection and indication of the problem). TCM installed these capacitors in new and rebuilt magnetos with serial numbers as shown in CSB662A. In addition, they were sold as service spares marked with date codes also shown in CSB662A.

Textron Lycoming Service Bulletin No. 541 refers to this same subject.

Recommendation

Currently, based on available information, the FAA recommends the following actions: We will continue this investigation. Analysis may warrant additional actions such as issuance of an Airworthiness Directive.

The FAA recommends that you replace magneto capacitors, P/Ns 10-382807, 10-382681 and 10-382681-1, that have less than 200 hours time in service in accordance with the instructions contained in CSB662A. In addition, you can use TCM Ignition Systems Service Information Letter, SIL642, dated 2/1/94, to interpret the serial numbers and SB653, dated 5/23/95. The information letter contains additional information on testing for properly grounded magnetos.

You can call TCM Customer Service Department at (888) 221-6442 for copies of TCM CSB662A, SIL642 and SB653 service bulletins. You can write to: Teledyne Continental Motors, P.O. Box 90, Mobile, AL 36601. The complete text of CSB662A, SIL642 and SB653 are available on the TCM website at: www.TCMLINK.com.

For Further Information, Contact

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